Raymond Fagnon

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Summary

Proven and reliable self-starter with extensive corporate experience. Demonstrated customer service focus and goal oriented attitude. Strong team contributor with effective leadership skills. Extremely organized and capable of leading complicated projects to completion. Highly motivated with a positive optimistic attitude and proven effectiveness in high pressure situations.

Experience

Systems Engineer   07-2011 present
Tek Systems/Serve American Express

HIGHLIGHTS

Install configuration and troubleshooting of Linux Oracle Rac Servers, using Oracle ASM and Oracle Direct NFS client

Installed, configured, and provisioned NetApp Filers with OnTap 7.x and 8.x

Zoned servers on Cisco MDS Nexus.

Created Igroups, fcaliases, luns, volumes , nfs exports on NetApp filers

Installed and configured NetApp 7.x and 8.x

Built LUNs on NetApp, added to IGROUPS for ISCSI and FC storage

Used RedHat Satellite to build and provision servers via PXE Install

Built, configured Vsphere Cluster.

Configred NFS storage for VMware datastores on NetApp filers.

Install, configuration and troubleshooting of Linux servers on HP X86 servers

Integrated Linux servers into AD via SAMBA winbind

Built Oracle Enterprise Manager server on VMware virtual

Setup disks for ORacleASM and imported in ASM

Setup Linux multipathing for Oracle ASM

Install and configured OnCommend and InSight balance for array and server monitoring

Used InSight Balanace and OnCommend for storage trending and capacity planning.

Systems Engineer   11/2010-5/2011
CDI/Wellsfargo/Wachovia Bank
 Telecommute

HIGHLIGHTS
Install configuration and troubleshooting of AIX on Pseries hardware.

Built AIX LVM filesystems on mpio disks connected to Hitachi/EMC storage arrays

Installed and configured VIO servers

Built vscsi disk and mapped to appropriate lpar

Mapped Vscsi client and Vscsi server mappings using HMC

Built Vswitchs using HMC and setting up SEA on VIO to connect switch to physical network

Configred Lpars with micropartioning

Install, configuration and troubleshooting of Linux servers on Dell/HP X86 servers

Installation of middle ware apps such as Weblogic, Oracle_SOA, and Websphere

Linux Kernel tuning for various applications such as J2EE

Building Veritas filesystems on Linux OS

Setup Linux multipathing to connect to disks on EMC/Hitachi storage arrays

Audited server for compliance with bank policies.

Systems Engineer   4/2010-10/2009
Jabil
   Saint Petersburg, Fl

   HIGHLIGHTS
Documented F5 upgrade process.

Built F5 virtual server for load balancing application.

Built Linux and AD lab environment to test integrating Linux into AD.

Built and configured CentOS postfix servers.

Documented Linux roadmap for SAP ME implementation on Linux

Built 2003/2008 templates for quick deployment of windows environment. Made sure latest updates were applied and that the vmware tools were up to date.

Linux/ VMWARE admin   1/2010-4/2010
Pinellas County School Board/Kelly IT
   Largo, Fl

         Full time Admin, specializing in VMware/Linux support.
   HIGHLIGHTS
Documented building of Linux VMware template.

Built a VMware 3.5 HA/DRS cluster. Built a VSPHERE 4 HA/DRS cluster. This included provisioning the storage from a Dell ISCSI server with the storage team and adding the luns to the vmware storage group.

Built and configured RedHat Cluster.

Troubleshoot Apache php memory leaks..

Built 2003/2008 templates for quick deployment of windows environment. Made sure latest updates were applied and that the vmware tools were up to date.

Linux/Jboss/San admin Specializing in VMWARE   3/2009-11/2009

CareCentrix
Tampa, Fl

Full time Admin, specializing in VMware, Linux with support for the JBOSS environment.

HIGHLIGHTS

Developed multi environment Jboss deployment scripts. These scripts would shut down the application, deploy the war file and then bring up the application and verify it started successfully

Built a VSPHERE 4 HA/DRS cluster. This included provisioning the storage with the storage team and adding the luns to the vmware storage group. Managed resource pools and configured key servers for fault tolerance. Wrote esx configuration script for the vswitchs and vlan tags during the configuration of the cluster.

Did nic bonding for fail over and load balancing of network adapters on our Redhat 4&5 Linux physical servers.

Kernel performance tuning of the ipv4 layer, and ipcs system.

Built 2003/2008 templates for quick deployment of windows environment. Made sure latest updates were applied and that the vmware tools were up to date.

Wrote application init scripts for the Jboss environment. These were added to the system startup process.

Worked with management, developers and SA's to define a standard Linux configuration.

Installed ESXi4.0 in remote site offices. Configured the ESXi servers for remote console ssh login. This allowed us to scp iso images to the vmfs file system for installation of windows/linux servers.

Wrote best practice documents for the VSPHERE environment.

Monitored EMC array and worked with storage team to optimize Linux servers

Installed/configured emc powerpath.

Used Linux LVM to build Oracle high performance ext3 filesystems

Wrote script to secure Linux servers. The functions of the scripts are listed below
Locked down directories such as /sbin, /bin, printer spool directories and variouse others
Turning off uneeded servers such as telnet, ftp, rsh and others.
Made ssh the default login.
Made sftp the default file transfer
Turned off X-windows login

Worked with Windows admin to troubleshoot performance issues on 2003/2008 virtuals.

Used P2V to consolidate servers to a virtualized environment.

Unix Engineer   5/2008-3/2009
Marriott Vacation Club International
 Lakeland, Fl

Full time UNIX Engineer, specializing in VMware, AIX and Red Hat Enterprise Linux.
HIGHLIGHTS
Built multi-OS installation package of NetIQ monitoring agent. This was to be deployed among all UNIX servers in our datacenter. The Package was a compressed install that covered HPUX, AIX, and Linux. Automated the install and configuration . Cut time for install from one hour to five minutes.

Downloaded and configuredan ESX deployment appliance for ESX upgrade project. Configured appliance to deploy latest version of ESX3.5. This saved the company valuable man hours, by cutting down the installation from 2 hours to 30 minutes.

Repackaged a VMware rpm to include installation of insight manager and the EMC navisphere agent, thus automating the installation. This saved about an hour on the installation process.

Built VMware Linux template for quick deployment of RHEL 5.xservers. In this template was a configuration script that would configure the TCP/IP stack as well as third party applications. Sa would login run script and supply answers. This saved the company valuable man hours by automating

most of the installation of the third party applications.

Worked with management, developers and SA's to define a standard Linux configuration.

Documented all aspect of Linux server build, deployment, 3rd party software installation, and various other applications

Was primary contact for AIX5.3 servers. Worked on performance issues related to Oracle databases. Worked with DBA's and storage team to resolve outages.

Monitored EMC array and worked with storage team to optimize AIX oracle and universe   database servers.

Helped storage team in zoning new servers on the brocade storage network.

Audited all UNIX servers for security and reported to management my findings. Then worked with management and applications support to define security server standards.

Wrote script to secure unix servers. The functions of the script are listed

- Locked down directories such as /sbin, /bin, printer spool directories and variouse others
- Turning off uneeded servers such as telnet, ftp, rsh and others.
- Denying root login over the network
- Made ssh the default login.
- Made sftp the default file transfer
- Turned off X-windows login
- Used ssh X-11 tunneling for X applications

Worked with SA/SE team to administer and troubleshoot VMware ESX server hosts and
    guests

Senior Systems Engineer   6/2006-6/2007
Relation Technology Solutions

http:// ww.rts.com
Largo, Florida

Onsite Senior System Engineer for RTS at Certegy/FIS Data center. My main purpose is to consult on the build out of their P 570/595 AIX 5.3 environment. Consulting on performance and configuration issues that involve the Brocade/HP SAN, HP EVA and the IBM/AIX Hardware and do software. Partnered up with vendor to help solve connectivity and performance issues.

HIGHLIGHTS

- Designed and implemented a high performance database system using AIX mirroring and array striping.
- Used GLVM (Global Logical Volume Manager) to migrate data to and from servers. Taking delta's and doing performance analysis before the mirror was broken permanently to quantify the increase in TPS's on new hardware.
- Used AIX mirroring to present database file systems to backup servers by doing a split and then a rejoin.
- Did performance analysis on their 595 lpars and fixed bottleneck issues with LVM and kernel tuning techniques.
- Built a NIM install environment for new installs and fro recovery of OS in case of disaster.

Unix System Engineer   6/99-6/2006
Wachovia Brokerage Project
Charlotte, NC

Senior System Engineer for large scale AIX P690 DLPAR (Dynamic Logical Partitions) server. This project is on Wachovia's top ten list. The Lpars on this machine support the Chicago investment firm's stock and bond trades which are running on a DB2 database and Oracle. Aided developers and management in sizing the partitions. Worked with SAN team in setting up the file systems and database backups. Built a NIM server for network mksysb restores and OS netwrok installs. Kernel tuning for Oracle and DB2 instances. Familiar with LVM, and AIX performance tools. Was first in bank to do DLPAR on a live running machine.

Built a client server environment that would allow my team to do distributed installs, software maintenance, and many other various duties without having to login to a single server. It would allow you to write a script that consisted of one or many lines of code and using automounter you could tell one or many boxes to execute this script without having to login. It is related to a Sun's rdist, AIX nim, windows sms, and dist shell, but is capable of much much more. I also wrote a series of scripts that would go and gather information on all the hardware in our lpars and standalone servers. The information would consist of sku numbers, slot locations, IEEE addresses, firmware levels and much more. Then I would have the information formatted to html and served through an apache web server.

I designed and implemented a mksysb network backup system. Using cron I would generate a mksysb to local disk and then use rsync to ship the mksysb over to our nim server. On our nim server I had a program check the mksysb's and verify that they were current and valid.

Unix System Engineer   6/99-6/2006
Wachovia, 401k Project
Charlotte, NC

Senior System Engineer for large scale Unix component of 401(k) record keeping system worth billions of dollars for hundreds of thousands of active participants. This project is on Wachovia's top 10 project list. Provided 24/7 support for production systems. Assisted in all aspects of large-scale system re-architecture migrating from two-tier to three-tier paradigm. Implemented a 2 hour disaster recovery plan. Aided developers and coded high-performance and high-stability sections for Unix specific application development. Lead daily and long term team efforts to improve systems in reliability, cost and performance. Work with developers and vendors to trouble shoot problems down to the Kernel and packet level. Intensive research into Kernel level system calls and networking operations to resolve software issues. Responsible for Alpha/Tru64, IBM AIX, Storage Works, Fiber Channel, Gig E and interfacing EMC storage. Located, defined and provided corrections for numerous security holes through out system. Built High Reliability SNMP monitoring system to notify appropriate personnel during faults. This used a series of shell scripts that manipulated the snmp protocol. Also took the data from the snmp queries and piped it to a mysql database.

Unix System Engineer   6/99-6/2006
Wachovia, Corporate Universe Project
Charlotte, NC

Senior System Engineer for large scale corporate bond trading systems that trades billions of dollars. This project was also in the banks top 10 list. Provided 24/7 support for production systems. Lead initiative to redesign the IBM 2 node H50 HACMP cluster to increase clustered database disk space. Also devised a 1 hour disaster recovery time with a maximum 24 hour data difference. Worked with knowledge experts to move data from internal disk to SAN based disk storage. Devised steps to insure maximum data integrity during storage switch.

Skills

Unix

17 Years System Administration
4 years Unix shell scripting working return codes and doing error checking for successful completion.
5 Years system/kernel tuning for maximum I/O and application performance made modification to I/O subsystem including disk layout, controller striping, and load balancing
3 year Pseries partitioning and DLPAR
5 years RHEL, SUSE, and Ubuntu

Storage

3 years Storage experience involving ISCSI, NFS, **NetApp**, **Cisco Nexus OS**. Brocade San Switches

IBM GPFS (**General Parallel File System)** For high performance computing

OpenFiler

Vitualization

Vmware 3.5, Vsphere4.x, Vsphere5.

Linux KVM

Performance tuning on hosts and :Linux guest

Network Systems and Protocols

Design, implementation and maintenance of data networks

TCP/IP, DNS, SMTP, SMB, IP Tunneling, Ethernet, SNMP